

selected from the group consisting of: OH, CO_2R^4 , Br, Cl, F, I, CF_3 , $\text{N}(\text{R}^5)_2$, $(\text{C}_1\text{-C}_8)\text{-alkoxy}$, $(\text{C}_1\text{-C}_8)\text{-alkyl}$, $(\text{C}_2\text{-C}_8)\text{-alkenyl}$, $(\text{C}_2\text{-C}_8)\text{-alkynyl}$, $(\text{C}_3\text{-C}_8)\text{-cycloalkyl}$, $\text{CO}(\text{CH}_2)_n\text{CH}_3$, and $\text{CO}(\text{CH}_2)_n\text{CH}_2\text{N}(\text{R}^5)_2$;

5 R^2 is: OR^4 or $\text{N}(\text{R}^5)_2$;

R^3 is:

- 10 (a) $(\text{C}_1\text{-C}_8)\text{-alkyl}$,
 (b) $(\text{C}_2\text{-C}_8)\text{-alkenyl}$,
 (c) $(\text{C}_2\text{-C}_8)\text{-alkynyl}$,
 (d) $(\text{C}_3\text{-C}_7)\text{-cycloalkyl}$,
 (e) aryl, wherein aryl as defined above,
 (f) heteroaryl, wherein heteroaryl as defined above,
 (g) $-\text{CHO}$,
 15 (h) $-\text{CO}(\text{C}_1\text{-C}_8)\text{-alkyl}$,
 (i) $-\text{CO}\text{-aryl}$,
 (j) $-\text{CO}\text{-heteroaryl}$, or
 (k) $-\text{CO}_2\text{R}^4$;

20 n is: 0 to 5;

t is: 0, 1 or 2;

R^4 is: H, or $(\text{C}_1\text{-C}_8)\text{-alkyl}$;

25

R^5 is: H, $(\text{C}_1\text{-C}_8)\text{-alkyl}$ or aryl, wherein aryl as defined above;

R^6 is: H, $(\text{C}_1\text{-C}_8)\text{-alkyl}$ or aryl, wherein aryl as defined above; and

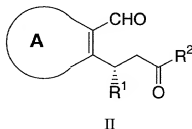
30

R^7 is: H, $(\text{C}_1\text{-C}_8)\text{-alkyl}$, aryl or alkyl, wherein aryl is optionally substituted with one to three substituents selected from the group consisting of: OH, CO_2R^4 , Br, Cl, F, I, CF_3 , $\text{N}(\text{R}^5)_2$, $(\text{C}_1\text{-C}_8)\text{-alkoxy}$, $(\text{C}_1\text{-C}_8)\text{-alkyl}$, $(\text{C}_2\text{-C}_8)\text{-alkenyl}$, $(\text{C}_2\text{-C}_8)\text{-alkynyl}$, $(\text{C}_3\text{-C}_8)\text{-cycloalkyl}$, $\text{CO}(\text{CH}_2)_n\text{CH}_3$,

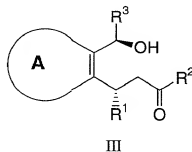
and $\text{CO}(\text{CH}_2)_n\text{CH}_2\text{N}(\text{R}^5)_2$, or when two R^7 substituents are on the same nitrogen they can join to form a ring of 3 to 6 atoms;

comprising the steps of:

- 5 (1) reacting a Grignard reagent with a conjugate adduct compound of Formula II,

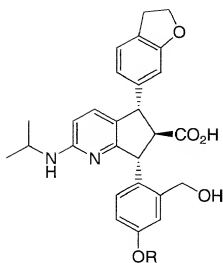


- 10 in the presence of a first aprotic solvent and optionally an additive at a temperature range of about -80°C to about 30°C to give a Grignard addition product of Formula III; and



- 15 (2) adding phosphoramidate reagent to a mixture of the Grignard addition product of Formula III, a second aprotic solvent and a base at a temperature range of about -80°C to about 30°C to produce the desired compound of Formula I.

A preferred embodiment of the present invention is a process for preparing a compound of Formula Ia,

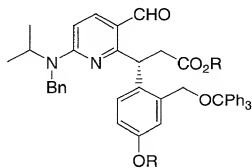


Ia

wherein R is independently H or (C₁-C₆)-alkyl comprising the steps of:

- (1) reacting ArMgX reagent with a conjugate adduct of Formula IIa,

5



IIa

in the presence of a first aprotic solvent at a temperature range of about -80°C to about 30°C to give a Grignard addition product of Formula IIIa, and